

Title (en)

FORGED ALUMINUM VEHICLE WHEEL AND ASSOCIATED METHOD OF MANUFACTURE AND ALLOY

Title (de)

GESCHMIEDETES ALUMINIUMFAHRZEUGRAD UND ZUGEORDNETES HERSTELLUNGSVERFAHREN UND LEGIERUNG

Title (fr)

ROUE DE VEHICULE EN ALUMINIUM FORGE, PROCEDE DE PRODUCTION ET ALLIAGE ASSOCIES

Publication

EP 1768797 A2 20070404 (EN)

Application

EP 05763435 A 20050624

Priority

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Abstract (en)

[origin: US2006000094A1] A method of making a forged aluminum vehicle wheel includes forging a low copper bearing 7000 series aluminum alloy into a wheel workpiece followed by initial cooling and machining and surface treatment. Aging which may be natural aging, artificial aging or both may be provided after cooling and before or after machining. Corresponding forged aluminum wheels are disclosed. The low copper bearing 7000 series forged aluminum wheel has superior fatigue properties. An alloy suitable for use in the method and wheel is disclosed.

IPC 8 full level

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CPC (source: EP US)

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